

21. **Allowable Emissions:** The Permittee shall not allow emission of Volatile Organic Compounds (VOCs) into the atmosphere in excess of pounds per day nor pounds per year.
22. **Control Parameters:**
- a. The flow rate through the biofilter shall be limited to no more than cfm.
 - b. The biofilter system shall not contain a valve or any other device which will either dilute or restrict the flow of the soil gasses unless the position of the device can be measured and controlled. If a device is installed, its position must be measured and recorded any time a test sample is taken which will be used to calculate either the mass flow rate of VOCs into the atmosphere or the destruction efficiency of the control device.
 - c. If the emissions of VOCs after the biofilter are greater than three (3) pounds per day, then the destruction efficiency of the biofilter shall be at least 90%.
23. **Operations and Maintenance Plans:** The Permittee shall file an Operations and Maintenance plan with the Department before operations have begun at the site. This will include, at a minimum, a description of the procedures taken to insure prevention of bridging of the biomass, calibration of the instrumentation, and any other maintenance required of the system.
24. **Testing:** Within seven (7) days after start-up, the Permittee shall test the system for total petroleum hydrocarbon destruction efficiency. The overall total petroleum hydrocarbon destruction efficiency of the system shall be at least 90%. These tests shall be repeated on a monthly basis and anytime the system flow rate is changed. If a dilution or flow control device is present in the system, its position will be measured and recorded when this testing is performed. The position of any dilution or flow control device present during the testing will be maintained during subsequent operation.
25. **Record Keeping:**
- a. Accurate records shall be maintained of all biofilter maintenance such as, but not limited to, addition of microbes, nutrients and biomass.
 - b. The Permittee shall maintain records at the facility listing the position of any dilution or flow control device and the date that emission testing associated with the position of the device was performed.
26. **Reporting:**
- a. The Permittee shall notify the Department in writing at least seven (7) days in advance of the actual start-up date of the equipment.
 - b. The Permittee shall file a report with the Maricopa County Department of Air Pollution Control (MCDAPC) detailing the results of all required emissions testing within 30 days of the date of the test. The report shall include a record of all maintenance performed on the biofilter during the same thirty (30) days.

c. The Permittee shall notify the Department in writing of the removal of the equipment from the site within 30 days.